

INTERNATIONAL SEARCH REPORT

PCT/IB 02/05691

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B60K6/04 F02B19/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B60K F02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 129 890 A (HITACHI LTD) 5 September 2001 (2001-09-05)	1, 3, 4
Y	column 4, line 50 -column 5, line 9; figure 1	2
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 02, 29 February 2000 (2000-02-29) & JP 11 332019 A (TOYOTA MOTOR CORP), 30 November 1999 (1999-11-30) abstract	1
Y	US 4 565 167 A (BRYANT CLYDE C) 21 January 1986 (1986-01-21) column 10, line 63 -column 11, line 12	2
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- *&* document member of the same patent family

Date of the actual completion of the international search

30 April 2003

Date of mailing of the international search report

12/05/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 566 717 A (RICHARDSON NEAL ALLEN ET AL) 2 March 1971 (1971-03-02) abstract; figure 1 ----	1
A	US 5 586 613 A (EHSANI MEHRDAD) 24 December 1996 (1996-12-24) abstract; figures -----	1

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patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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